

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 7, 2003, 15:10:38 : Search time 30 seconds  
(without alignments)  
2320.457 Million cell updates/sec

Title: US-09-826-509-449

Perfect score: 2292  
Sequence: 1 MVPEPPTASTPAMGAGP.....FNIDPAPELAPHLGIPFN 440

Scoring table: BIOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 587654 seqs, 158212981 residues

Total number of hits satisfying chosen parameters: 587654

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database:

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18: /cgnt2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2287	99.8	440	US-10-345-680-41	Sequence 41, Appl
2	2287	99.8	440	US-10-225-567A-20	Sequence 20, Appl
3	1899.5	82.9	437	US-09-829-631A-8	Sequence 8, Appl
4	1768.5	77.2	439	US-09-829-631A-13	Sequence 13, Appl
5	1387	60.5	291	US-09-829-631A-10	Sequence 10, Appl
6	557	24.3	477	US-10-225-567A-50	Sequence 50, Appl
7	552.5	24.1	400	US-09-895-211-4	Sequence 4, Appl
8	552.5	24.1	400	US-09-895-211-6	Sequence 6, Appl
9	552.5	24.1	446	US-10-299-642-2	Sequence 2, Appl
10	552.5	24.1	446	US-10-299-642-4	Sequence 4, Appl
11	552.5	24.1	446	US-10-299-642-6	Sequence 6, Appl
12	548.5	23.9	446	US-10-225-567A-98	Sequence 98, Appl
13	548.5	23.9	446	US-10-299-642-16	Sequence 16, Appl
14	547.5	23.9	446	US-10-277-078-4	Sequence 4, Appl
15	538.5	23.5	446	US-10-299-642-32	Sequence 32, Appl

16	535	23.3	445	US-10-299-642-28	Sequence 28, Appl
17	533.5	23.3	446	US-10-299-642-22	Sequence 22, Appl
18	531.5	22.2	446	US-10-299-642-20	Sequence 20, Appl
19	531	23.2	408	US-09-895-211-5	Sequence 5, Appl
20	531	23.2	408	US-10-225-567A-54	Sequence 54, Appl
21	530.5	23.1	446	US-10-299-642-30	Sequence 30, Appl
22	523.5	22.8	391	US-09-992-238-25	Sequence 25, Appl
23	520	22.7	408	US-09-895-211-2	Sequence 2, Appl
24	515.5	22.5	186	US-09-993-844-5	Sequence 11, Appl
25	512.5	22.4	346	US-09-993-844-7	Sequence 8, Appl
26	508.5	22.2	394	US-10-238-129-8	Sequence 9, Appl
27	507.5	22.1	560	US-10-238-129-10	Sequence 2, Appl
28	507.5	22.1	560	US-10-238-667-8	Sequence 8, Appl
29	505.5	22.1	562	US-09-992-238-14	Sequence 13, Appl
30	503	21.9	572	US-09-992-238-13	Sequence 14, Appl
31	503	21.9	572	US-10-185-991-2	Sequence 2, Appl
32	503	21.9	572	US-10-238-129-2	Sequence 9, Appl
33	503	21.9	572	US-10-238-667-2	Sequence 2, Appl
34	503	21.9	572	US-10-225-567A-34	Sequence 26, Appl
35	500	21.8	450	US-10-299-642-26	Sequence 33, Appl
36	499.5	21.8	501	US-09-951-622-9	Sequence 9, Appl
37	499.5	21.8	501	US-10-325-930-9	Sequence 10, Appl
38	494.5	21.6	478	US-10-176-255-33	Sequence 10, Appl
39	493	21.5	515	US-10-238-129-10	Sequence 8, Appl
40	493	21.5	515	US-10-238-667-10	Sequence 10, Appl
41	489.5	21.4	477	US-10-299-642-8	Sequence 8, Appl
42	489.5	21.4	477	US-10-299-642-10	Sequence 10, Appl
43	489.5	21.4	477	US-10-277-078-2	Sequence 2, Appl
44	489.5	21.4	477	US-10-225-567A-100	Sequence 100, Appl
45	489	21.3	497	US-10-052-589-2	Sequence 2, Appl

#### ALIGNMENTS

RESULT 1  
US-10-345-680-41  
Sequence 41, Application US/10345680  
Publication No. US20030148394A1  
GENERAL INFORMATION:  
APPLICANT: Millennium Pharmaceuticals, Inc.  
APPLICANT: Sllas-Santiago, Karichest  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING  
TITLE OF INVENTION: UROLOGICAL DISORDERS USING 1435, 559, 34021, 44099, 25278,  
TITLE OF INVENTION: 641, 260, 55089, 21407, 42032, 46656, 62553, 302, 323,  
TITLE OF INVENTION: 12303, 985, 13237, 13601, 18926, 318, 2058 OR 651 MOLECULES.  
FILE REFERENCE: MP102-012PIRM.COMNT  
CURRENT APPLICATION NUMBER: US/10/345,680  
CURRENT FILING DATE: 2003-01-16  
PRIOR APPLICATION NUMBER: US 60/349,511  
PRIOR FILING DATE: 2002-01-18  
PRIOR APPLICATION NUMBER: US 60/360,500  
PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: US 60/365,041  
PRIOR FILING DATE: 2002-03-15  
PRIOR APPLICATION NUMBER: US 60/374,063  
PRIOR FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: US 60/403,468  
PRIOR FILING DATE: 2002-08-14  
PRIOR APPLICATION NUMBER: US 60/414,262  
PRIOR FILING DATE: 2002-09-27  
PRIOR APPLICATION NUMBER: US 60/419,986  
PRIOR FILING DATE: 2002-10-21  
PRIOR APPLICATION NUMBER: US 60/423,809  
PRIOR FILING DATE: 2002-11-05  
PRIOR APPLICATION NUMBER: US 60/429,797  
PRIOR FILING DATE: 2002-11-26  
NUMBER OF SEQ ID NOS: 66  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 41  
LENGTH: 440  
TYPE: PRT

ORGANISM: Homo Sapiens  
US-10-345-680-41

Query Match 99.8%; Score 2287; DB 12; Length 440;  
Best Local Similarity 99.8%; Pred. No. 5.2e-177;  
Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 1 MVEPGPTANSTPAMGAGPPSAPGSGGWAALCVVIALTAANSLLIALICTOPALNT 60
OY 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120
DB 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120
OY 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
DB 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
OY 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
DB 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
OY 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
DB 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
OY 241 RTPRGVESADSRRLATKHSRKALKAKLTGILGMFEFVWLPFFVANIYQAVDCISPG 300
DB 241 RTPRGVESADSRRLATKHSRKALKAKLTGILGMFEFVWLPFFVANIYQAVDCISPG 300
OY 301 LFDVLTWLGYNSTNMPITLYPLFMDKFRALGRFLPCPCPRERQASLASPSLTSHSGP 360
DB 301 LFDVLTWLGYNSTNMPITLYPLFMDKFRALGRFLPCPCPRERQASLASPSLTSHSGP 360
OY 361 RPLSLQOVLPLPPDSDSDSGSGSGLRLTAQLLLPGEATODPPLPTRAANAANF 420
DB 361 RPLSLQOVLPLPPDSDSDSGSGSGLRLTAQLLLPGEATODPPLPTRAANAANF 420
OY 421 FNIDPAPELPHPLGIPTN 440
DB 421 FNIDPAPELPHPLGIPTN 440

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## RESULT 2

US-10-225-567A-20  
Sequence 20, Application US/10225567A  
Publication No. US20030113798A1  
GENERAL INFORMATION:  
APPLICANT: Lifespan Biosciences  
APPLICANT: Brown, Joseph P.  
APPLICANT: Burner, Glenna C.  
TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS  
FILE REFERENCE: 1920-4-4  
CURRENT APPLICATION NUMBER: US/10/225,567A  
CURRENT FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/257,144  
PRIOR FILING DATE: 2000-12-19  
NUMBER OF SEQ ID NOS: 2292  
SOFTWARE: Patent version 3.1  
LENGTH: 440  
SEQ ID NO 20  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-225-567A-20

Query Match 99.8%; Score 2287; DB 15; Length 440;  
Best Local Similarity 99.8%; Pred. No. 5.2e-177;  
Matches 439; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 1 MVEPGPTANSTPAMGAGPPSAPGSGGWAALCVVIALTAANSLLIALICTOPALNT 60
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DB 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120

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DB 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120
OY 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
DB 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
OY 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
DB 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
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DB 241 RTPRGVESADSRRLATKHSRKALKAKLTGILGMFEFVWLPFFVANIYQAVDCISPG 300
OY 301 LFDVLTWLGYNSTNMPITLYPLFMDKFRALGRFLPCPCPRERQASLASPSLTSHSGP 360
DB 301 LFDVLTWLGYNSTNMPITLYPLFMDKFRALGRFLPCPCPRERQASLASPSLTSHSGP 360
OY 361 RPLSLQOVLPLPPDSDSDSGSGSGLRLTAQLLLPGEATODPPLPTRAANAANF 420
DB 361 RPLSLQOVLPLPPDSDSDSGSGSGLRLTAQLLLPGEATODPPLPTRAANAANF 420
OY 421 FNIDPAPELPHPLGIPTN 440
DB 421 FNIDPAPELPHPLGIPTN 440

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## RESULT 3

US-09-829-631A-8  
Sequence 8, Application US/09829631A  
Patent No. US20020091235A1  
GENERAL INFORMATION:  
APPLICANT: Sidley, David R.  
APPLICANT: Monsma, Frederick J.  
APPLICANT: Hamblin, Mark  
TITLE OF INVENTION: The 5T-B17 Serotonin Receptor  
FILE REFERENCE: NIH04710P101  
CURRENT APPLICATION NUMBER: US/09/829,631A  
CURRENT FILING DATE: 2001-04-10  
PRIOR APPLICATION NUMBER: US 08/428,242  
PRIOR FILING DATE: 1995-09-18  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 8  
LENGTH: 437  
TYPE: PRT  
ORGANISM: Rat  
US-09-829-631A-8

Query Match 82.9%; Score 1899.5; DB 9; Length 437;  
Best Local Similarity 84.5%; Pred. No. 1.2e-145;  
Matches 376; Conservative 11; Mismatches 45; Indels 13; Gaps 4;

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DB 1 MVEPGPTANSTPAMGAGPPSAPGSGGWAALCVVIALTAANSLLIALICTOPALNT 60
OY 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120
DB 61 SNFVLVSFTSDMLVGLVMPAMLNALYGRWVLARGLCLMTAFDVCCSASITNCLLI 120
OY 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
DB 121 SLDRYLILSLPKRYKLRMTPLRALALVIGAWSLAASFLPLLGMHGLHARPPVPGQC 180
OY 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
DB 181 RLASLPFVLVAGSLTFELPSGALCFYCRILLAARKQAVOASLTGMSQASSETLOVP 240
OY 241 RTPRGVESADSRRLATKHSRKALKAKLTGILGMFEFVWLPFFVANIYQAVDCISPG 300
DB 241 RTPRGVESADSRRLATKHSRKALKAKLTGILGMFEFVWLPFFVANIYQAVDCISPG 300

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QY 301 LFDVLTWLGYSNSTMPNIIYPLFMKDFKRALGFLPCPCPRKROASLASPSL-----RT 355  
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QY 356 SHSGPAGSLGQOVLPLPPDSDDSDAGSSGSLRLTAQLLGEATODPPPLPRAA 415  
DB 357 QKQCRP--QLOQVLTALPLPPNSDS--ASGTSGLQTLTAQLLGEATODPPPLPRAA 412  
QY 416 AAVNFENIDPAPELPHPLGIPTN 440  
DB 413 TVVNFVTVDSVEPEIRPHPLSSPVN 437

RESULT 4  
US-09-829-631A-13  
; Sequence 13, Application US/09829631A  
; Patent No. US20020091235A1  
; GENERAL INFORMATION:  
; APPLICANT: Sibley, David R.  
; APPLICANT: Monsma, Frederick J.  
; APPLICANT: Hamblin, Mark  
; TITLE OF INVENTION: The ST-B17 Serotonin Receptor  
; FILE REFERENCE: NIH047.1CPI1  
; CURRENT APPLICATION NUMBER: US/09/829, 631A  
; CURRENT FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: US 08/428, 242  
; PRIOR FILING DATE: 1995-09-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 439  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: VARIANT  
; LOCATION: (1)...(439)  
; OTHER INFORMATION: Xaa - Any Amino Acid  
US-09-829-631A-13

Query Match 77.2%; Score 1768.5; DB 9; Length 439;  
Best Local Similarity 77.6%; Pred. No. 4.8e-135;  
Matches 356; Conservative 8; Mismatches 56; Indels 39; Gaps 4;

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DB 1 MWPEPGPTANSTPANGAGARXX-GGSGWVAAGLCVIALTAANSLLALICTOPALNT 59  
QY 61 SNFVLVSFTSDLVGLVYMPAMLNALYGRVTLARGLCLMTAFDVMCCASITLICI 120  
DB 60 SNFVLVSFTSDLVGLVYMPAMLNALYGRVTLARGLCLMTAFDVMCCASITLICI 119  
QY 121 SLDRYLLISPLRYKLRMTPLRALALVIGMSIALASFLPLLGWHELGARPPVQC 180  
DB 120 SLDRYLLISPLRYKLRMTPLRALALVIGMSIALASFLPLLGWHELGARPPVQC 179  
QY 181 RLASLPEVLVAGSLTFELPSGALCFYTCRILLARQAQVAVASLTGMSQASSETLOVP 240  
DB 180 RLASLPEVLVAGSLTFELPSGALCFYTCRILLARQAQVAVASLTGMSQASSETLOVP 239  
QY 241 RTRPGVESADSRRLATKHSRKALKAKLTGLIGMFVTVLPEFVANIYQAVDCISPG 300  
DB 240 RTRPGVESADSRRLATKHSRKALKAKLTGLIGMFVTVLPEFVANIYQAVDCISPG 299  
QY 301 LFDVLTWLGYSNSTMPNIIYPLFMKDFKRALGFLPCPCPRKROASLASPSL-----P 343  
DB 300 LFDVLTWLGYSNSTMPNIIYPLFMKDFKRALGFLPCPCPRKROASLASPSL-----P 343  
QY 361 RPEGLISLQOVLPLPLPD-----SDSDAGSSGSLRLTAQLL 401  
DB 344 RPAWPRHHCAPLTAAPALAYSRCRCPCRRQIRQTOQAAPARACGSRPSCFLARP 403  
QY 402 GEATODPPLPTRAANAANFENIDPAPELPHPLGIPTN 440

DB 404 PRRPCPGPLPPSIS---STXPAPELPHPLGIPTN 439

RESULT 5  
US-09-829-631A-10  
; Sequence 10, Application US/09829631A  
; Patent No. US20020091235A1  
; GENERAL INFORMATION:  
; APPLICANT: Sibley, David R.  
; APPLICANT: Monsma, Frederick J.  
; APPLICANT: Hamblin, Mark  
; TITLE OF INVENTION: The ST-B17 Serotonin Receptor  
; FILE REFERENCE: NIH047.1CPI1  
; CURRENT APPLICATION NUMBER: US/09/829, 631A  
; CURRENT FILING DATE: 2001-04-10  
; PRIOR APPLICATION NUMBER: US 08/428, 242  
; PRIOR FILING DATE: 1995-09-18  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10  
; LENGTH: 291  
; TYPE: PRT  
; ORGANISM: Rat  
US-09-829-631A-10

Query Match 60.5%; Score 1387; DB 9; Length 291;  
Best Local Similarity 92.8%; Pred. No. 2.2e-104;  
Matches 270; Conservative 5; Mismatches 16; Indels 0; Gaps 0;

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DB 1 MWPEPGPTANSTPANGAGPPSAPGSGWVAALCVIYALTAANSLLALICTOPALNT 60  
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DB 61 SNFVLVSFTSDLVGLVYMPAMLNALYGRVTLARGLCLMTAFDVMCCASITLICI 120  
QY 121 SLDRYLLISPLRYKLRMTPLRALALVIGMSIALASFLPLLGWHELGARPPVQC 180  
DB 121 SLDRYLLISPLRYKLRMTPLRALALVIGMSIALASFLPLLGWHELGARPPVQC 180  
QY 181 RLASLPEVLVAGSLTFELPSGALCFYTCRILLARQAQVAVASLTGMSQASSETLOVP 240  
DB 181 RLASLPEVLVAGSLTFELPSGALCFYTCRILLARQAQVAVASLTGMSQASSETLOVP 240  
QY 241 RTRPGVESADSRRLATKHSRKALKAKLTGLIGMFVTVLPEFVANIYQ 291  
DB 241 RTRPGVESADSRRLATKHSRKALKAKLTGLIGMFVTVLPEFVANIYQ 291

RESULT 6  
US-10-225-567A-50  
; Sequence 50, Application US/10225567A  
; Publication No. US20030113798A1  
; GENERAL INFORMATION:  
; APPLICANT: Lifespan Biosciences  
; APPLICANT: Brown, Joseph P.  
; APPLICANT: Burner, Glenna C.  
; APPLICANT: Roush, Christine L.  
; TITLE OF INVENTION: ANTIDENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR  
; FILE REFERENCE: 1920-4-4  
; CURRENT APPLICATION NUMBER: US/10/225, 567A  
; CURRENT FILING DATE: 2001-12-19  
; PRIOR APPLICATION NUMBER: 60/257, 144  
; PRIOR FILING DATE: 2000-12-19  
; NUMBER OF SEQ ID NOS: 2292  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 50  
; LENGTH: 477  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-225-567A-50



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; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; APPLICANT: Sheldon, Russell
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscle Mass or
; TITLE OF INVENTION: Using Dopamine Receptors
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-2

Query Match
Best Local Similarity 24.1%; Score 552.5; DB 12; Length 446;
Best Local Similarity 31.2%; Pred. No. 1.3e-36;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

QY 21 SAPGSGWV-----AAACVYALTAANSLIALICTOPALRN-TSNFELVSL 68
DB 7 SAMDGTGLVERDFSVRIITACFLSLILSTLGLNTLVCAAVIRRHLSKVTNFEVSL 66
QY 69 FTSDLMVGLVMPAMPALNALYGRWVLARGLCLMTAFDVMCCSASTINCLISIDRYLLI 128
DB 67 AVSDDLAVLVMPKRAVAEIAGFMPFG-SFCNIWAFDINCSTASILNCVTSVDRYAI 125
QY 129 LSPRLRYKLRMPRLALALVGLAMSLAALASFLPLLGHMELGHARPPVG----- 178
DB 126 SSPFRYERKMTPKAFILISVAMTSLVLSIFIPOLSHRK---AKPTSPDGNATSLAET 182
QY 179 --QCRLLASLPFVLVAGLTFEFLPSGALCFYTCRILLARAKAOVAVSL-TTGMAQSASE 235
DB 183 IDNCDSLSRYTAISSVSIFYIPVAMIVTTRYIRIAOKOIRIALERAHAHAKNQ 242
QY 236 TLOVPRTPRGVESADSRRLATKHSRKALKAKLTGLIGMFYVWLPFVANIYQAVCD 295
DB 243 TTGNGKRVPCSQPSSFKMSFKRETKYK---TLSVIMGVFCMLPFFILNCILPFCG 299
QY 296 -----CISPGLEFVLTWLGYNSTNMPITPYLFMDFKALGRFLPCPR-CRERQA- 346
DB 300 SGETOPFCIDSTNTEFVWFGWANSINLPITY-AFNADFRAKASTLLGCYRLCPATNNAI 358
QY 347 -----SLASPSLRTSHSGPRPGLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLP 401
DB 359 ETVSINNNGAAMFSSHHEPRGSISKECNLYVILIPHAVSSDCLKKEAAGIARPLEKLS 418
QY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434
DB 419 -----ALSVILDYDTDVSLERKIOPITONGQHP 445

RESULT 10
US-10-299-642-4
; Sequence 4, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; APPLICANT: Sheldon, Russell
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscle Mass or
; TITLE OF INVENTION: Using Dopamine Receptors
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-6

Query Match
Best Local Similarity 24.1%; Score 552.5; DB 12; Length 446;
Best Local Similarity 31.2%; Pred. No. 1.3e-36;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

QY 21 SAPGSGWV-----AAACVYALTAANSLIALICTOPALRN-TSNFELVSL 68
DB 7 SAMDGTGLVERDFSVRIITACFLSLILSTLGLNTLVCAAVIRRHLSKVTNFEVSL 66
QY 69 FTSDLMVGLVMPAMPALNALYGRWVLARGLCLMTAFDVMCCSASTINCLISIDRYLLI 128
DB 67 AVSDDLAVLVMPKRAVAEIAGFMPFG-SFCNIWAFDINCSTASILNCVTSVDRYAI 125
QY 129 LSPRLRYKLRMPRLALALVGLAMSLAALASFLPLLGHMELGHARPPVG----- 178
DB 126 SSPFRYERKMTPKAFILISVAMTSLVLSIFIPOLSHRK---AKPTSPDGNATSLAET 182
QY 179 --QCRLLASLPFVLVAGLTFEFLPSGALCFYTCRILLARAKAOVAVSL-TTGMAQSASE 235
DB 183 IDNCDSLSRYTAISSVSIFYIPVAMIVTTRYIRIAOKOIRIALERAHAHAKNQ 242
QY 236 TLOVPRTPRGVESADSRRLATKHSRKALKAKLTGLIGMFYVWLPFVANIYQAVCD 295
DB 243 TTGNGKRVPCSQPSSFKMSFKRETKYK---TLSVIMGVFCMLPFFILNCILPFCG 299
QY 296 -----CISPGLEFVLTWLGYNSTNMPITPYLFMDFKALGRFLPCPR-CRERQA- 346
DB 300 SGETOPFCIDSTNTEFVWFGWANSINLPITY-AFNADFRAKASTLLGCYRLCPATNNAI 358
QY 347 -----SLASPSLRTSHSGPRPGLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLP 401
DB 359 ETVSINNNGAAMFSSHHEPRGSISKECNLYVILIPHAVSSDCLKKEAAGIARPLEKLS 418
QY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434
DB 419 -----ALSVILDYDTDVSLERKIOPITONGQHP 445

RESULT 11
US-10-299-642-6
; Sequence 6, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; APPLICANT: Sheldon, Russell
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscle Mass
; TITLE OF INVENTION: Using Dopamine Receptors
; FILE REFERENCE: 8448M
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-299-642-6

Query Match
Best Local Similarity 24.1%; Score 552.5; DB 12; Length 446;
Best Local Similarity 31.2%; Pred. No. 1.3e-36;
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

QY 21 SAPGSGWV-----AAACVYALTAANSLIALICTOPALRN-TSNFELVSL 68
DB 7 SAMDGTGLVERDFSVRIITACFLSLILSTLGLNTLVCAAVIRRHLSKVTNFEVSL 66
QY 69 FTSDLMVGLVMPAMPALNALYGRWVLARGLCLMTAFDVMCCSASTINCLISIDRYLLI 128
DB 67 AVSDDLAVLVMPKRAVAEIAGFMPFG-SFCNIWAFDINCSTASILNCVTSVDRYAI 125
QY 129 LSPRLRYKLRMPRLALALVGLAMSLAALASFLPLLGHMELGHARPPVG----- 178
DB 126 SSPFRYERKMTPKAFILISVAMTSLVLSIFIPOLSHRK---AKPTSPDGNATSLAET 182
QY 179 --QCRLLASLPFVLVAGLTFEFLPSGALCFYTCRILLARAKAOVAVSL-TTGMAQSASE 235
DB 183 IDNCDSLSRYTAISSVSIFYIPVAMIVTTRYIRIAOKOIRIALERAHAHAKNQ 242
QY 236 TLOVPRTPRGVESADSRRLATKHSRKALKAKLTGLIGMFYVWLPFVANIYQAVCD 295
DB 243 TTGNGKRVPCSQPSSFKMSFKRETKYK---TLSVIMGVFCMLPFFILNCILPFCG 299
QY 296 -----CISPGLEFVLTWLGYNSTNMPITPYLFMDFKALGRFLPCPR-CRERQA- 346
DB 300 SGETOPFCIDSTNTEFVWFGWANSINLPITY-AFNADFRAKASTLLGCYRLCPATNNAI 358
QY 347 -----SLASPSLRTSHSGPRPGLSLQOVLPLPLPPDSDDSDAGSGSSGLRLTAQLLP 401
DB 359 ETVSINNNGAAMFSSHHEPRGSISKECNLYVILIPHAVSSDCLKKEAAGIARPLEKLS 418
QY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434
DB 419 -----ALSVILDYDTDVSLERKIOPITONGQHP 445

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Db      7 SAMDGLVVERDESVRIITACFLSLILLSTLGNLTVCNAVIRFRRLRSKVTNFEVYSL 66
QY      69 FTSDLVAVGLVMPAMALYGRVILARGLCLMTAFDVWCCSASINLCISLDRIYLI 128
      67 AVSDLLVAVLVMPKRAVAEIAEGFWPG-SECNIMVAFDINCSTASINLCIVISDRYMAI 125
QY      129 LSPRLKRLMTPLRALALVIGANSLAALASFLPLLLGMHGLHARPPVPG----- 178
      126 SSPFRYERKMTPKRAAFILISVAMTSLVLSIFIPQLSWMK---AKPTSPDGNATSLAET 182
QY      179 --QCRLLASLPEVLVAGSLTFLPSGAICTYCRILLAAKQAVOYASL-TTGMAISOASE 235
      183 IDNCDSLSRTYAISSSVISFYIPVAIMYTRIRYIRIAKQIRIALAERAAVHAKNCQ 242
QY      236 TLOVPRTPRGVESADSRRLATKHSRKALAKLTGLILGMFTVWLPFFVANIYQAVCD 295
      243 TTGNKRPVCCSPSESSFKMSFRKRETVLK---TLSYIMGVFCWMLPFIILNCILPFCG 299
QY      296 -----CISPGFLDVLTWLYGCONSTMNPIIYLFMDFRALGRFLPCR-CPREROA- 346
      300 SGETOPFCIDSTFDFVFWFGMANSSLNPIIY-AFNADFRKAFSTLLGCYRLCPATNNAI 358
QY      347 -----SLASPSLRTSHSGPRPGSLQOVLPLPPLPPSDSDSDAGSGSGSLRLTAOLLP 401
      359 ETVSINNNGAAMFSSHHEPRGSKSCNLYVLLPHAVGSSSDLKKEAAGIARPLEKLS 418
QY      402 GEATQDPPPLPTRAANAANFNIDPAEELRP-----HP 434
      419 -----ALSYILDYDTVSLKIQIPITONGQHP 445

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## RESULT 12

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US-10-225-567A-98
; Sequence 98, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: Lifespan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine T.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 98
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Homo sapiens
S-10-225-567A-98

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Query Match 24.1%; Score 552.5; DB 15; Length 446;

Best Local Similarity 31.2%; Pred. No. 1.3e-36;

Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

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QY      21 SAPGSGGW-----AAACVYIALTAANSLLIICQPALRN-TSNFEYVL 68
      7 SAMDGLVVERDESVRIITACFLSLILLSTLGNLTVCNAVIRFRRLRSKVTNFEVYSL 66
QY      69 FTSDLVAVGLVMPAMALYGRVILARGLCLMTAFDVWCCSASINLCISLDRIYLI 128
      67 AVSDLLVAVLVMPKRAVAEIAEGFWPG-SECNIMVAFDINCSTASINLCIVISDRYMAI 125
QY      129 LSPRLKRLMTPLRALALVIGANSLAALASFLPLLLGMHGLHARPPVPG----- 178
      126 SSPFRYERKMTPKRAAFILISVAMTSLVLSIFIPQLSWMK---AKPTSPDGNATSLAET 182
QY      179 --QCRLLASLPEVLVAGSLTFLPSGAICTYCRILLAAKQAVOYASL-TTGMAISOASE 235
      183 IDNCDSLSRTYAISSSVISFYIPVAIMYTRIRYIRIAKQIRIALAERAAVHAKNCQ 242

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QY      236 TLOVPRTPRGVESADSRRLATKHSRKALAKLTGLILGMFTVWLPFFVANIYQAVCD 295
      243 TTGNKRPVCCSPSESSFKMSFRKRETVLK---TLSYIMGVFCWMLPFIILNCILPFCG 299
QY      296 -----CISPGFLDVLTWLYGCONSTMNPIIYLFMDFRALGRFLPCR-CPREROA- 346
      300 SGETOPFCIDSTFDFVFWFGMANSSLNPIIY-AFNADFRKAFSTLLGCYRLCPATNNAI 358
QY      347 -----SLASPSLRTSHSGPRPGSLQOVLPLPPLPPSDSDSDAGSGSGSLRLTAOLLP 401
      359 ETVSINNNGAAMFSSHHEPRGSKSCNLYVLLPHAVGSSSDLKKEAAGIARPLEKLS 418
QY      402 GEATQDPPPLPTRAANAANFNIDPAEELRP-----HP 434
      419 -----ALSYILDYDTVSLKIQIPITONGQHP 445

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## RESULT 13

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US-10-299-642-16
; Sequence 16, Application US/10299642
; Publication No. US20030170741A1
; GENERAL INFORMATION:
; APPLICANT: The Procter & Gamble Company
; APPLICANT: Isfort, Robert
; APPLICANT: Sheldon, Russell
; TITLE OF INVENTION: Methods for Identifying Compounds for Regulating Muscle Mass
; FILE REFERENCE: 8448W
; CURRENT APPLICATION NUMBER: US/10/299,642
; CURRENT FILING DATE: 2003-10-09
; PRIOR APPLICATION NUMBER: 60/349,620
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Rhesus macaque
US-10-299-642-16

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Query Match 23.9%; Score 548.5; DB 12; Length 446;

Best Local Similarity 31.2%; Pred. No. 2.6e-36;

Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

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QY      21 SAPGSGGW-----AAACVYIALTAANSLLIICQPALRN-TSNFEYVL 68
      7 SAMDGLVVERDESVRIITACFLSLILLSTLGNLTVCNAVIRFRRLRSKVTNFEVYSL 66
QY      69 FTSDLVAVGLVMPAMALYGRVILARGLCLMTAFDVWCCSASINLCISLDRIYLI 128
      67 AVSDLLVAVLVMPKRAVAEIAEGFWPG-SECNIMVAFDINCSTASINLCIVISDRYMAI 125
QY      129 LSPRLKRLMTPLRALALVIGANSLAALASFLPLLLGMHGLHARPPVPG----- 178
      126 SSPFRYERKMTPKRAAFILISVAMTSLVLSIFIPQLSWMK---AKPTSPDGNATSLAET 182
QY      179 --QCRLLASLPEVLVAGSLTFLPSGAICTYCRILLAAKQAVOYASL-TTGMAISOASE 235
      183 IDNCDSLSRTYAISSSVISFYIPVAIMYTRIRYIRIAKQIRIALAERAAVHAKNCQ 242
QY      236 TLOVPRTPRGVESADSRRLATKHSRKALAKLTGLILGMFTVWLPFFVANIYQAVCD 295
      243 TTGNKRPVCCSPSESSFKMSFRKRETVLK---TLSYIMGVFCWMLPFIILNCILPFCG 299
QY      296 -----CISPGFLDVLTWLYGCONSTMNPIIYLFMDFRALGRFLPCR-CPREROA- 346
      300 SGETOPFCIDSTFDFVFWFGMANSSLNPIIY-AFNADFRKAFSTLLGCYRLCPATNNAI 358
QY      347 -----SLASPSLRTSHSGPRPGSLQOVLPLPPLPPSDSDSDAGSGSGSLRLTAOLLP 401
      359 ETVSINNNGAAMFSSHHEPRGSKSCNLYVLLPHAVGSSSDLKKEAAGIARPLEKLS 418

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OY 402 GEATODPPLPTRAAAVNFENIDPAPELRP-----HP 434  
 Db 419 -----ALSVILDYDPTDVSLEKIQPIQONQHP 445

## RESULT 14

US-10-277-078-4  
 ; Sequence 4, Application US/10277078  
 ; Publication No. US20030049794A1  
 ; GENERAL INFORMATION:

APPLICANT: Weinshank, Richard L.  
 Hartig, Paul R.

TITLE OF INVENTION: DNA Encoding A Human Dopamine D1  
 Receptor And Uses Thereof

NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP  
 STREET: 1185 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/277,078  
 FILING DATE: 21-Oct-2002  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/168,510  
 FILING DATE: <Unknown>

APPLICATION NUMBER: 07/969,267  
 FILING DATE: 05-Oct-1993

APPLICATION NUMBER: 07/551,448  
 FILING DATE: 10-Jul-1990

ATTORNEY/AGENT INFORMATION:  
 NAME: White, John P.

REGISTRATION NUMBER: 28,678  
 REFERENCE/DOCKET NUMBER: 37526-A-PCT-US

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-278-0400  
 TELEFAX: 212-391-0525

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids  
 TYPE: amino acid

STRANDEDNESS: single  
 TOPOLOGY: linear

MOLECULE TYPE: peptide  
 IMMEDIATE SOURCE:

CLONE: D1  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-277-078-4

Query Match 23.9%; Score 547.5; DB 15; Length 446;  
 Best Local Similarity 30.9%; Pred. No. 3.4e-36;

Matches 142; Conservative 80; Mismatches 172; Indels 65; Gaps 13;

OY 21 SAPGSGWV-----AAALCVYVLTAAANSLIALICTOPALRN-TSNFIVSL 68  
 Db 7 SAMGTGLVVERDSVRITLACFLSLTLSTLGLTLCVCAVIRRHLSKVTNEFVSL 66

OY 69 FTSDLMVGLVMPAPMLNLYGRWYLAGLCLMTAFDVMCCASILNCLISIDRYLLI 128  
 Db 67 AVSDLLVAVLVMPKVAIAEIGFMPFG-SFCINIVAFAIMCSTASILDLCVSVDRYAI 125

OY 129 LSPRLKRLMPLRALALVLAGMSLAALASFLPLLGHHELGHARPPVG----- 178  
 Db 126 SSPRYERKMTPKAAFLILISVAMTSLVLSIFIPVOLSVMK--AKPTSPSDGNATSLAET 182

OY 179 --QCRLIASLPEYLVAAGLFEFLPSGALCTYRRIILAAKQAVYASL-TTGMAQASE 235  
 Db 183 IDNCDSLSRTTYTISSSVISFTLPVAILMTYTRIRIAKQARRIAERAAVHAKNQ 242  
 OY 236 TLQVPTPRPVESADSRRLATKHSRKALKTLLGLMGFEVTLPEFVANIYQAVCD 295  
 Db 243 TTGNCKPVECSQPESSFKMSFKRETKYK---TLVIMGVFCMLPEFLINCILPFCG 299  
 OY 296 -----CISPGFLDVLTLWGYCNSIMNPITLYLFMRDEKRAIGRLPCPR-CPREQA- 346  
 Db 300 SGETOPECIDSNFTDVFVWFGMANSSIMPIY-AFNADFKAFTSLGRCYRLCPATNNAI 358  
 OY 347 -----SLASPLRSHSGPRGLSLQOVLPLPLPPDSDSGAGSGSSGLRTAQLLLP 401  
 Db 359 ETVSINNKAAMFSSHHEPRGSISKCNLYLLIPHAVGSESDKKEEAGIARPLEKLP 418  
 OY 402 GEATODPPLPTRAAAVNFENIDPAPELRP-----HP 434  
 Db 419 -----ALSVILDYDPTDVSLEKIQPIQONQHP 445

## RESULT 15

US-10-299-642-32  
 ; Sequence 32, Application US/10299642  
 ; Publication No. US20030170741A1  
 ; GENERAL INFORMATION:

APPLICANT: The Procter & Gamble Company  
 Applicant: Isfort, Robert

TITLE OF INVENTION: Methods for Identifying Compounds for Regulation Muscle Mass

FILE REFERENCE: 8448M  
 CURRENT APPLICATION NUMBER: US/10/299,642

CURRENT FILING DATE: 2003-10-09  
 PRIOR APPLICATION NUMBER: 60/349,620

PRIOR FILING DATE: 2002-07-01  
 NUMBER OF SEQ ID NOS: 32

SOFTWARE: Patent In version 3.1  
 SEQ ID NO 32

LENGTH: 446  
 TYPE: PRT

ORGANISM: Sus scrofa  
 US-10-299-642-32

Query Match 23.5%; Score 538.5; DB 12; Length 446;  
 Best Local Similarity 30.9%; Pred. No. 1.8e-35;

Matches 142; Conservative 78; Mismatches 173; Indels 67; Gaps 14;

OY 21 SAPGSGWV-----AAALCVYVLTAAANSLIALICTOPALRN-TSNFIVSL 68  
 Db 7 STMDGTGLVERDFSRIRITACFLSLTLSTLGLTLCVCAVIRRHLSKVTNEFVSL 66

OY 69 FTSDLMVGLVMPAPMLNLYGRWYLAGLCLMTAFDVMCCASILNCLISIDRYLLI 128  
 Db 67 AVSDLLVAVLVMPKVAIAEIGFMPFG-SFCINIVAFAIMCSTASILDLCVSVDRYAI 125

OY 129 LSPRLKRLMPLRALALVLAGMSLAALASFLPLLGHHELGHARPPVG----- 178  
 Db 126 SSPRYERKMTPKAAFLILISVAMTSLVLSIFIPVOLSVMK--AKPTSPSDGNATSLAET 182

OY 179 --QCRLIASLPEYLVAAGLFEFLPSGALCTYRRIILAAKQAVYASL-TTGMAQASE 235  
 Db 183 IDNCDSLSRTTYTISSSVISFTLPVAILMTYTRIRIAKQARRIAERAAVHAKNQ 242

OY 236 TLQVPTPRPVESADSRRLATKHSRKALKTLLGLMGFEVTLPEFVANIYQAVCD 295  
 Db 243 TTGNCKPVECSQPESSFKMSFKRETKYK---TLVIMGVFCMLPEFLINCILPFCG 299

OY 296 -----CISPGFLDVLTLWGYCNSIMNPITLYLFMRDEKRAIGRLPCPR-CPREQA- 346  
 Db 300 SGETOPECIDSNFTDVFVWFGMANSSIMPIY-AFNADFKAFTSLGRCYRLCPATNNAI 358

OY 347 -----SLASPLRSHSGPRGLSLQOVLPLPLPPDSDSGAGSGSSGLRTAQLLLP 401  
 Db 359 ETVSINNKAAMFSSHHEPRGSISKCNLYLLIPHAVGSESDKKEEAGIARPLEKLP 418

OY 402 GEATODPPLPTRAAAVNFENIDPAPELRP-----HP 434  
 Db 419 -----ALSVILDYDPTDVSLEKIQPIQONQHP 445

OY 179 --QCRLIASLPEYLVAAGLFEFLPSGALCTYRRIILAAKQAVYASL-TTGMAQASE 235  
 Db 183 IDNCDSLSRTTYTISSSVISFTLPVAILMTYTRIRIAKQARRIAERAAVHAKNQ 242

OY 236 TLQVPTPRPVESADSRRLATKHSRKALKTLLGLMGFEVTLPEFVANIYQAVCD 295  
 Db 243 TTGNCKPVECSQPESSFKMSFKRETKYK---TLVIMGVFCMLPEFLINCILPFCG 299

OY 296 -----CISPGFLDVLTLWGYCNSIMNPITLYLFMRDEKRAIGRLPCPR-CPREQA- 346  
 Db 300 SGETOPECIDSNFTDVFVWFGMANSSIMPIY-AFNADFKAFTSLGRCYRLCPATNNAI 358

OY 347 -----SLASPLRSHSGPRGLSLQOVLPLPLPPDSDSGAGSGSSGLRTAQLLLP 401  
 Db 359 ETVSINNKAAMFSSHHEPRGSISKCNLYLLIPHAVGSESDKKEEAGIARPLEKLP 418

Tue Oct 7 15:55:04 2003

us-09-826-509-449.rapb

Page 8

Db 358 IETVSIINNNGAVVFSHHEPRGSIKDCNLVTLIPHAVGSSDOLKEERAGIASPLEKLS 417  
QY 401 PGEATODPPLPTRAAAAVNFNIDPAPELR-----HP 434  
Db 418 P-----ALSVILDYDIDVSLERIDPITONGHP 445

Search completed: October 7, 2003, 15:20:56  
Job time : 32 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 7, 2003, 15:04:57 ; Search time 20 Seconds  
(without alignments)  
930.839 Million cell updates/sec

Title: US-09-826-509-449

Perfect score: 2292

Sequence: 1 WVEBGPSTANSTPAWGAGPP.....FNIDPAEPLREHPLGIPFN 440

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717.

Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents, AA.\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/6C.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/6D.COMB.pep.\*  
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	557	24.3	468	2	US-08-390-000A-7
2	557	24.3	477	1	US-08-087-772A-16
3	554	24.2	465	1	US-08-351-473B-2
4	553.5	24.1	365	2	US-08-467-559B-9
5	552.5	24.1	400	1	US-08-351-473B-5
6	552.5	24.1	400	3	US-08-450-962-4
7	552.5	24.1	400	3	US-08-450-962-4
8	552.5	24.1	446	1	US-07-626-618A-21
9	552.5	24.1	446	1	US-08-333-977-21
10	551.5	24.1	400	1	US-07-916-901-6
11	551.5	24.1	400	1	US-07-783-602C-1
12	551.5	24.1	400	1	US-08-351-473B-4
13	551	24.0	477	1	US-08-444-734A-4
14	547.5	23.9	446	2	US-07-969-267B-4
15	547.5	23.9	446	4	US-09-168-510-4
16	546	23.8	388	1	US-08-087-772A-2
17	538.5	23.5	472	1	US-08-194-338-6
18	533.5	23.3	487	1	US-08-444-734A-2
19	533	23.3	408	1	US-08-351-473B-3
20	531	23.2	402	1	US-08-444-734A-6
21	531	23.2	402	1	US-08-087-772A-15
22	531	23.2	408	3	US-08-450-962-2
23	531	23.2	408	3	US-08-450-962-5
24	524.5	22.9	446	1	US-07-626-618A-22
25	524.5	22.9	446	1	US-08-333-977-22
26	524.5	22.9	446	1	US-08-333-977-22
27	523	22.8	400	2	US-08-103-170-9

28	515.5	22.5	483	1	US-08-194-338-7	Sequence 7, Appl1
29	508	22.2	559	2	US-08-406-855A-20	Sequence 20, Appl1
30	508	22.2	559	3	US-09-206-899-20	Sequence 20, Appl1
31	507.5	22.1	560	4	US-09-688-415-8	Sequence 8, Appl1
32	503	21.9	572	1	US-08-334-698-2	Sequence 2, Appl1
33	503	21.9	572	1	US-08-228-932-2	Sequence 2, Appl1
34	503	21.9	572	1	US-08-468-939-2	Sequence 2, Appl1
35	503	21.9	572	1	US-08-722-001-30	Sequence 30, Appl1
36	503	21.9	572	2	US-08-406-855A-2	Sequence 2, Appl1
37	503	21.9	572	2	US-08-722-190-2	Sequence 2, Appl1
38	503	21.9	572	3	US-08-244-354-2	Sequence 2, Appl1
39	503	21.9	572	3	US-09-206-899-2	Sequence 2, Appl1
40	503	21.9	572	4	US-09-444-783-2	Sequence 2, Appl1
41	503	21.9	572	4	US-09-688-415-2	Sequence 2, Appl1
42	503	21.9	572	5	PCT-US95-04203-2	Sequence 2, Appl1
43	499.5	21.8	501	1	US-08-722-001-14	Sequence 14, Appl1
44	499.5	21.8	501	2	US-08-467-568-9	Sequence 9, Appl1
45	499.5	21.8	501	2	US-09-030-582-9	Sequence 9, Appl1

## ALIGNMENTS

RESULT 1  
US-08-390-000A-7  
Sequence 7, Application US/08390000A  
Patent No. 5985583  
GENERAL INFORMATION:  
APPLICANT: Seallion, Stuart C.  
TITLE OF INVENTION: Cloning and Expression of  
TITLE OF INVENTION: Gonadotropin-Releasing Hormone Receptor  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/390,000A  
FILING DATE: 17-FEB-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: MISTOCK, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 6923-052  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 790-9090  
TELEFAX: 212 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 468 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-390-000A-7  
Query Match 24.3%, Score 557, DB 2, Length 468;  
Best Local Similarity 33.8%, Pred. No. 1,8e-34;  
Matches 144, Conservative 67, Mismatches 165, Indels 46, Gaps 11;  
OY 1 WVEBGPSTANSTPAWGAGPPAGSGVAAALCVIALTAANSLLIALICTOPALNT 60  
DB 24 LVPSPPASLPPAPSESPPLSQOFTAGMLMILYIVAGNVLVIAIAKPRLOTL 83  
OY 61 SNFLVSLFTSDLVAGLVVMPAMLMALXGRWVLAAGLCILMTAFDWCASIIIRLCI 120

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Db      84  TNLFIIMSLASADLVMLGVLVFPFGATIVYWGMEYGSFCELTMTSDVLCVTASETLCVI 143
QY      121  SLDRYLLILSLPRKLTPTPLRALVAVGANSLSALASFLPLLLGM--HELGHARPPV-- 176
Db      144  ALDRYLLITSPFRQSLITRARAGLVCTVAISALVSFLPLILHMMRAESDEARRCYND 203
QY      177  PGOCRLASLPEVLVAGLTFEFLPSGALCFYTCRILLAARKQAVOVS---LTTGASQ 232
Db      204  PKCCDFYTNRAVYLAASSVSFYVPLCINAFYLVFVREAOQVARKIDSCERRFLGGPARP 263
QY      233  ASET-----LOVPRTPRPGVESADS-----RLATKHSKALKAKLTGIL 273
Db      264  PPSPPSPVPAPAPPGRPPRAAAATAPLANGRAGKRPRSLVALRQKALK---TLGII 320
QY      274  LGNEFTWLPFFVANIYQAV-CDGISGLPDLVTLWLGXCNSTMPITY---PLEMRDPR 329
Db      321  MGVFTLCWLPFFLANVKAHRELYPDLFEFFWMLGYANSAPFIICRSP---DERK 376
QY      330  ALGRFLPCPRCPREROASLASPSLRTSHSGRPGLSLQOVLPLPLP-PDSDSDSAGSG 388
Db      377  AFQGLCCARRAARRRATHGDRPRASGCLARPG-----PPSPGAASDDDDDDVYGA 429
Y      389  SSGURL 394
Db      430  TPARL 435

```

## RESULT 2

US-08-087-772A-16  
 Sequence 16, Application US/08087772A  
 Patent No. 5691155

## GENERAL INFORMATION:

APPLICANT: Nahmlas, Clara  
 APPLICANT: Emorine, Jean L.  
 APPLICANT: Strosberg, Donny A.  
 TITLE OF INVENTION: Nucleotide Sequences Encoding the Murine  
 TITLE OF INVENTION: Beta3-Adrenergic Receptor and Their Applications  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: Bell, Seltzer, Park & Gibson  
 STREET: Post Office Drawer 34009  
 CITY: Charlotte  
 STATE: No. 5691155th Carolina  
 COUNTRY: USA

ZIP: 28234  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: IBM PC compatible  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/087,772A  
 FILING DATE:  
 CLASSIFICATION: 800  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Linker, Raymond O.  
 REGISTRATION NUMBER: 26,419  
 REFERENCE/DOCKET NUMBER: 3339-195  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 919-881-3140  
 TELEFAX: 919-881-3175  
 INFORMATION FOR SEQ ID NO: 16:  
 SEQUENCE CHARACTERISTICS:

LENGTH: 477 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-087-772A-16

Query Match 24.38; Score 557; DB 1; Length 477;  
 Best Local Similarity 33.88; Pred. No. 1,8e-34;

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Matches 144; Conservative 67; Mismatches 169; Indels 46; Gaps 11;
QY      1  MVEPPTANSTPMAGAPSPAPGSGVVAALCVIALTAANSLLTALICTOPALRNT 60
Db      33  LVFASPPASLIPRASESEPELSQWTGMLMLLYLVYAGNVLYVALAKPRIQTL 92
QY      61  SNFVLVSLFTSDLVAGLVNMPAALMALYGRWYVARGLCLMTAFDWCCASINLCLI 120
Db      93  TNLFIIMSLASADLVMLGVLVFPFGATIVYWGMEYGSFCELTMTSDVLCVTASETLCVI 152
QY      121  SLDRYLLILSLPRKLTPTPLRALVAVGANSLSALASFLPLLLGM--HELGHARPPV-- 176
Db      153  ALDRYLLITSPFRQSLITRARAGLVCTVAISALVSFLPLILHMMRAESDEARRCYND 212
QY      177  PGOCRLASLPEVLVAGLTFEFLPSGALCFYTCRILLAARKQAVOVS---LTTGASQ 232
Db      213  PKCCDFYTNRAVYLAASSVSFYVPLCINAFYLVFVREAOQVARKIDSCERRFLGGPARP 272
QY      233  ASET-----LOVPRTPRPGVESADS-----RLATKHSKALKAKLTGIL 273
Db      273  PPSPPSPVPAPAPPGRPPRAAAATAPLANGRAGKRPRSLVALRQKALK---TLGII 329
QY      274  LGNEFTWLPFFVANIYQAV-CDGISGLPDLVTLWLGXCNSTMPITY---PLEMRDPR 329
Db      330  MGVFTLCWLPFFLANVKAHRELYPDLFEFFWMLGYANSAPFIICRSP---DERK 385
QY      330  ALGRFLPCPRCPREROASLASPSLRTSHSGRPGLSLQOVLPLPLP-PDSDSDSAGSG 388
Db      386  AFQGLCCARRAARRRATHGDRPRASGCLARPG-----PPSPGAASDDDDDDVYGA 438
QY      389  SSGURL 394
Db      439  TPARL 444

```

## RESULT 3

US-08-351-473B-2  
 Sequence 2, Application US/08351473B  
 Patent No. 5656440

## GENERAL INFORMATION:

APPLICANT: LENZEN, GERLINDA  
 APPLICANT: KAPOOR, ARCHANA  
 TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE  
 TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT  
 STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: USA

ZIP: 22202  
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: IBM PC compatible  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/351,473B  
 FILING DATE: 21-FEB-1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 93 04670  
 FILING DATE: 21-APR-1993  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/FR94/00447  
 FILING DATE: 21-APR-1994

ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 6639-001-0X PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 405 amino acids  
TYPE: amino acid  
TOPOLOGY: 1linear  
MOLECULE TYPE: protein  
US-08-351-473B-2

Query Match 24.2%; Score 554; DB 1; Length 405;  
Best Local Similarity 33.6%; Pred. No. 2,6e-34;  
Matches 143; Conservative 61; Mismatches 156; Indels 66; Gaps 13;

QY 1 MYPEPG-PTANSTPAMGAPPSAPGSGVNAALCVIALTAANSLLIALICTOPALRN 59  
DB 11 LTPMDIPTLAPNTANASGLPGVPAVALAGALLALAVLATVGNLIVVALARPRLOT 70  
QY 60 TSNFVLSTSDMLVGLVMPAMNLALYGRVNLARGLCLMTAFDVWCCSASILNCL 119  
DB 71 MTFVFTSLATADLVGLVPPGATLALTGHPGLVGTCELMTSVDVLCVTSIETLCA 130  
QY 120 ISLDRYLILSPRLRYKLTPLRALALVIGANSLAALSFULLGWHELG-----H 171  
DB 131 LAVDRYLAVTNPRLGALVTKRRLAVALVWVSANVSFAPIKMRMRIGADAERCH 190  
QY 172 ARPVPGCRLLASLFEVLVASGLTFELPSGAICTFYCRILLAAKQAVQVASTTGM-- 229  
DB 191 SNPRC---CTFASNNPVALLSSVSFYLLVLMFLVYARVFAVARQ-LRLRLRLGRP 246  
QY 230 -----ASASELYOVRTPRPGVESADSR--RLATKHSRAKAKLTGILLGMFV 279  
DB 247 PEESPAPRSRSGSLAGPCASPAVGPSYGRPARLLPLREHRLR---TLGLMGFTFL 303  
QY 280 TWLPEFVANIYQAV--CDCISPGLEFDVLTWGYCSTNNPIY---PLFMDFKRALGRF 334  
DB 304 CWLPEFVYVNRALAGPSLVGPFTFLANMGLYANSAPNPLTCRSPFRSAFRLLRC 363  
QY 335 LP-----CPRCPRERQASLASPLRTSHSGPRGLSLQOVLPLPPDSDSDSAGS 386  
DB 364 RPEHHLAASPRAPS-----GAPALTSPAGPMQ-----PPELD----- 398  
QY 387 GGSGGL 392  
DB 399 GASGGL 404

## RESULT 4

US-08-467-559B-9  
Sequence 9, Application US/08467559B  
Patent No. 5928890  
GENERAL INFORMATION:  
APPLICANT: LI, YI  
TITLE OF INVENTION: HUMAN AMINE RECEPTOR  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN AND FOX, P. L. L. C.  
STREET: 1100 NEW YORK AVENUE, NW, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,559B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: STEFFE, ERIC K

REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488,0840000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2540  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 365 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
MOLECULE TYPE: protein  
US-08-467-559B-9

Query Match 24.1%; Score 553.5; DB 2; Length 365;  
Best Local Similarity 37.8%; Pred. No. 2,5e-34;  
Matches 137; Conservative 56; Mismatches 134; Indels 35; Gaps 12;

QY 7 PTANSTPAMGAPPSAPGSGVNAALCVIALTAANSLLIALICTOPALRNTSNF 63  
DB 9 PPSLTPPASEG--SAPLSQWTAGGLVIALIIVVGNLIVVALAKTRPLOTITNL 66  
QY 64 FLVSLSTSDMLVGLVMPAMNLALYGRVNLARGLCLMTAFDVWCCSASILNCLISLD 123  
DB 67 FIMSLASADLVGLVPPGATVYWGMEYGSFCELMTSVDVLCVTSIETLCAIAD 126  
QY 124 RYLLISPLRYKLTPLRALALVIGANSLAALSFULLGWHELG--HELGHARPV--RQ 179  
DB 127 RLATLTPSPRIOSLTLRAARALVCTWVAISLVSFLPLMMWRASDEARCYNDPC 186  
QY 180 CRLASLPEVLVASGLTFELPSGAICTFYCRILLAAKQAVQVASTTGM--LTTGMSAQS- 234  
DB 187 COFVYNNRAIALSSVVSFVPLCIAMAFYLRVFRERQOVKRTIDCERFLGPRAPSP 246  
QY 235 ETLQVPRTPRPGVESADSR-----RLATKHSRAKAKLTGILLGMFVTLPEFVA 287  
DB 247 EESPSPGPRPADPSLANGSSKRPRSRLVALREQKALK---TLGITMGFTLCWLPFLA 303  
QY 288 NIVQAV--CDCISPGLEFDVLTWGYCSTNNPIY---PLFMDFKRALGRPLPCR---C 340  
DB 304 NVPKAFHDLVPRDLVEFPMGLYANSAPNPLIYCRSP---DFKRAFORLLCCARRAAC 359  
QY 341 PR 342  
DB 360 RR 361

## RESULT 5

US-08-351-473B-5  
Sequence 5, Application US/08351473B  
Patent No. 5656440  
GENERAL INFORMATION:  
APPLICANT: LENZEN, GERLINDA  
APPLICANT: KAPOOR, ARCHANA  
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT  
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/351,473B  
FILING DATE: 21-FEB-1995  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 93 04670  
 FILING DATE: 21-APR-1993  
 PRIOR APPLICATION DATA: PCT/FR94/00447  
 APPLICATION NUMBER: 6274706  
 FILING DATE: 21-APR-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OBLON, NORMAN F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 6639-001-0X PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000  
 TELEFAX: (703) 413-2220  
 TELEX: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 400 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-351-4738-5

Query Match 24.1%; Score 552.5; DB 1; Length 400;  
 Best Local Similarity 35.1%; Pred. No. 3.3e-34;  
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

QY 5 PGFTANSTPA-WGAGP---PSAPGSGG-----WVAALCVIAL-TAANSLLIALICTQ 54  
 DB 3 PMHRNGSLALMSDADLPDPSAANTSGLPVPMALALAGALLALATVGGMLVIAIART 62  
 QY 55 PALRNTSNFVLVSLFSDLVGVLVMPAMNLVGRWVLARGLCLMTAFDVMCCSAST 114  
 DB 63 PRLOTTNFFVTSLAADLVGLVMPGATLTALTGHPGEGTGCETLMTSVDLVCTAST 122  
 QY 115 LNLCLISLDRIYLLISPLRYKLTMTPLRALATLVGAMSLAALASFLPLLGWHELG---- 170  
 DB 123 ETICALLAVDRYLAIVTNPRLRGTLVTKRRRAAVLVWYSAASFAPINSQMRVGADE 182  
 QY 171 ----HARPPVGGCRLLASLPEVLVAGLTFELPSAICETTCYRIILAAKQAVQVAST 226  
 DB 183 AOECHSNPRC---CSFASNMYPALLSSVSFYPLLVMLFVYARVAVAKRQR-HILRRE 238  
 QY 227 TGNASOASETLQVPRPRP-----GVESADR--RLATKHSRKALKALITGILL 274  
 DB 239 LGFSPSESPSPSRSPATGTGTPAAPDGVPPCGRRPALRLPRLRHRLR---TLGLIM 295  
 QY 275 GMEFTWLPFFVANIQAVC--DCISPGLEFVLTWLGYNSTWNPITY--PLEMRDFKR 329  
 DB 296 GIFSLCMLPFLANVLRALAGPSLVSGVFIALNMLGYANSANFPIYICRSPDFRDAFR 355  
 QY 330 AL----GRFLPCPRC---PREROASLASPSLR--TSHSGRP 362  
 DB 356 LICSYGGRGPEPRAVTFPASPVEAROSPPLNRFDEGAR 397

RESULT 6  
 US-08-450-962-4  
 Sequence 4, Application US/08450962  
 Patent No. 6274706  
 GENERAL INFORMATION:  
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;  
 APPLICANT: STROSBURG, Donny  
 TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND  
 TITLE OF INVENTION: GENES  
 NUMBER OF SEQUENCES: 9  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: KECK, MAHIN & CATE  
 STREET: P.O. BOX 06110  
 CITY: CHICAGO  
 STATE: ILLINOIS  
 COUNTRY: U.S.A.  
 ZIP: 60606-0110

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3-1/2" diskette  
 COMPUTER: IBM compatible  
 OPERATING SYSTEM: MS-DOS  
 SOFTWARE: ASCII  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/450,962  
 FILING DATE:  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/117,829  
 FILING DATE: 08-SEPT-1993  
 APPLICATION NUMBER: 07/721,571  
 FILING DATE: 25-MAY-1990  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR89/00918  
 FILING DATE: 25-JAN-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Field, Martin; Gollin, Michael A.  
 REGISTRATION NUMBER: 16,900; 31,957  
 REFERENCE/DOCKET NUMBER: 47078-042  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 789-3400  
 TELEFAX: (202) 789-1158  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 400 residues  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: polypeptide  
 US-08-450-962-4

Query Match 24.1%; Score 552.5; DB 3; Length 400;  
 Best Local Similarity 35.1%; Pred. No. 3.3e-34;  
 Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;

QY 5 PGFTANSTPA-WGAGP---PSAPGSGG-----WVAALCVIAL-TAANSLLIALICTQ 54  
 DB 3 PMHRNGSLALMSDADLPDPSAANTSGLPVPMALALAGALLALATVGGMLVIAIART 62  
 QY 55 PALRNTSNFVLVSLFSDLVGVLVMPAMNLVGRWVLARGLCLMTAFDVMCCSAST 114  
 DB 63 PRLOTTNFFVTSLAADLVGLVMPGATLTALTGHPGEGTGCETLMTSVDLVCTAST 122  
 QY 115 LNLCLISLDRIYLLISPLRYKLTMTPLRALATLVGAMSLAALASFLPLLGWHELG---- 170  
 DB 123 ETICALLAVDRYLAIVTNPRLRGTLVTKRRRAAVLVWYSAASFAPINSQMRVGADE 182  
 QY 171 ----HARPPVGGCRLLASLPEVLVAGLTFELPSAICETTCYRIILAAKQAVQVAST 226  
 DB 183 AOECHSNPRC---CSFASNMYPALLSSVSFYPLLVMLFVYARVAVAKRQR-HILRRE 238  
 QY 227 TGNASOASETLQVPRPRP-----GVESADR--RLATKHSRKALKALITGILL 274  
 DB 239 LGFSPSESPSPSRSPATGTGTPAAPDGVPPCGRRPALRLPRLRHRLR---TLGLIM 295  
 QY 275 GMEFTWLPFFVANIQAVC--DCISPGLEFVLTWLGYNSTWNPITY--PLEMRDFKR 329  
 DB 296 GIFSLCMLPFLANVLRALAGPSLVSGVFIALNMLGYANSANFPIYICRSPDFRDAFR 355  
 QY 330 AL----GRFLPCPRC---PREROASLASPSLR--TSHSGRP 362  
 DB 356 LICSYGGRGPEPRAVTFPASPVEAROSPPLNRFDEGAR 397

RESULT 7  
 US-08-450-962-6  
 Sequence 6, Application US/08450962  
 Patent No. 6274706  
 GENERAL INFORMATION:  
 APPLICANT: EMORINE, Laurent; MARULLO, Stefano;  
 APPLICANT: STROSBURG, Donny

TITLE OF INVENTION: INTRON/EXON OF THE HUMAN AND  
TITLE OF INVENTION: GENES  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: KECK, MAHIN & CATE  
STREET: P. O. BOX 06110  
CITY: CHICAGO  
STATE: ILLINOIS  
COUNTRY: U.S.A.  
ZIP: 60606-0110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3-1/2" diskette  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/450,962  
FILING DATE:  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/117,829  
FILING DATE: 08-SEPT-1993  
APPLICATION NUMBER: 07/721,571  
FILING DATE: 25-MAY-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/FR89/00918  
FILING DATE: 25-JAN-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Fleit, Martin; Gollin, Michael A.  
REGISTRATION NUMBER: 16,900; 31,957  
REFERENCE/DOCKET NUMBER: 47078-042  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 789-3400  
TELEFAX: (202) 789-1158  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 400 residues  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE:  
DESCRIPTION: polypeptide  
US-08-450-962-6

Query Match 24.1%; Score 552.5; DB 3; Length 400;  
Best Local Similarity 35.1%; Pred. No. 3.3e-34;  
Matches 141; Conservative 60; Mismatches 150; Indels 51; Gaps 15;  
QY 5 GGPANSTPA-WGAGP---PSAPGSG-----WVAALCVIAL-TAAANSILALICTQ 54  
DB 3 PMPRRNSLALMSDAPFLDPSAANTSGIPVMAAALGALLALATVCGNLVITAIART 62  
QY 55 PALNTSNFVLSTSDLMVGLVMPAMNALXGRVNLARGLCLMTATADVWCSSSI 114  
DB 63 PRLOTINRVSTLAADLVVGLVMPGATLALTGHPLEGTCELTSTADVCLVASI 122  
QY 115 LNLCLISLDRLYLLSLPRYKRLMTPLRALVLGANSIALASFLPLLGHEIG---- 170  
DB 123 ETICALAVDRYLAIVNPLRGTLVTKRRARAAYLVIVSAVSPAPIMSGMNVGADAE 182  
QY 171 -----HAPPYGGCRLASLPEVYVAGSLFFELPSGALCFYCYCILLAAKROAVASLT 226  
DB 183 AQECHSNPRC---CSFASNMPYALLSSVSFYLPLVNLFFYARVFAVAKRQ--HLARE 238  
QY 227 TGNASQASETLQVPRTRP-----GVESADSR--RLATKHSRKALKAKITLGLL 274  
DB 239 LGRRSPESPSPSRSPATGCTPAAPDGVPCGRPARPLPREHALR---TLGLIM 295  
QY 275 GMEFTWLPFFVANIYQAVC--DCISGLPDLVTLTGLYCNSTNPIIY---PLFMRDFKR 329  
DB 296 GIFSICWLPFFLANVLRALAGSLVPSGVFIALNWLVIYANSAFNPIVYICRSPDRDAEFR 355  
QY 330 AL-----GRFLPCRC---PREQASLASPSLR--TSHSGPRP 362

DB 356 LICSYGRRPEERAVTFPASPVEARQSPPLNFDYEGARP 397  
RESULT 8  
US-07-626-618A-21  
Sequence 21, Application US/07626618A  
Patent No. 5422265  
GENERAL INFORMATION:  
APPLICANT: Van Tol, Hubert H.M.  
APPLICANT: Clivell, Olivier  
TITLE OF INVENTION: A No. 5422265el Human Dopamine Receptor and Uses  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Allegretti & Wilcoff, Ltd.  
STREET: 10 South Wacker Drive, Suite 3000  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/626,618A  
FILING DATE: 7 DEC 1990  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5422265nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 90,1092  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-715-1000  
TELEFAX: 312-715-1234  
TELEX: 810-221-8317  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 446 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
US-07-626-618A-21  
Query Match 24.1%; Score 552.5; DB 1; Length 446;  
Best Local Similarity 31.2%; Pred. No. 3.7e-34;  
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;  
QY 21 SAPGSGV-----AAALCVIALTRAANSILALICTOPALRN-TSNEFLVSL 68  
DB 7 SAMDGTGLVERDSSVRLITACFLSLILSTLGLTGLCAAVIRRRHRSKVTNEFVSL 66  
QY 69 FTSDLMVGLVMPAMNALYGRVNLARGLCLMTATADVWCSSSIINLCISIDRYLI 128  
DB 67 AVSDLLVAVLMPKVAVALINGFWPG--SFCNIWAEPIMKSTASILNLCISIDRYAI 125  
QY 129 LSPRLKRLMTPLRALAVLCAWSIALASFLPLLGHEIGHARPPVG----- 178  
DB 126 SSPRYEKRMTPKKAFFILISVAMTSLVLSIFIPOLSWHK---AKPTSPSGNNTSLAET 182  
QY 179 --OORLLASLPEVYVAGSLFFELPSGALCFYCYCILLAAKROAVASLT--TTGNASQASE 235  
DB 183 IDNCDSLSIRYVALSSVSIFYPALMTVYTRYIAQOIRRIALALEAAVHAKKCQ 242  
QY 236 TLQVPRTRPGEVSADSRRLATKHSRKALKAKITLGLIFFTWLPFFVANIYQAVCD 295  
DB 243 TTGNGKRVESQESSKMSFKRETKYK---TLSVIMGVFCWMLPFTLNLCLIPCG 299  
QY 296 -----CISGLPDLVTLTGLYCNSTNPIIYPLFMRDFKRALDRFLPCPR--CPREQA- 346  
DB 300 SGETOPCIDSNFTDVFVWFGMANSLNPIIY-AFNADFRAKASTLLGCVRLCPATNNAI 358

OY 347 -----SLASPSLRTHSGPRPGLSLQOVLPLPPDSDSGSGSSGLRLTOLLPL 401  
DB 359 ETVSINNNGAAMFSSHHPRGSIKECNLVYLIPRAVGSSEDLKKEEAAGIARPLEKLS 418  
OY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434  
DB 419 -----ALSVILDYDIDVSLERKIOPITONGQHP 445

## RESULT 9

US-08-333-977-21  
; Sequence 21, Application US/08333977  
; Patent No. 5594108  
; GENERAL INFORMATION:  
; APPLICANT: Van Tol, Hubert H.M.  
; TITLE OF INVENTION: A No. 5594108el Human Dopamine Receptor and Uses  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Allegretti & Witcoff, Ltd.  
; STREET: 10 South Wacker Drive, Suite 3000  
; CITY: Chicago  
; STATE: Illinois  
; COUNTRY: USA  
; ZIP: 60606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/333,977  
; FILING DATE: 03-NOV-1994  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/626,618  
; FILING DATE: 7 DEC 1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: No. 5594108nan, Kevin E  
; REGISTRATION NUMBER: 35,303  
; REFERENCE/DOCKET NUMBER: 90,1092  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 312-715-1000  
; TELEFAX: 312-715-1234  
; TELEX: 810-221-8317  
; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
S-08-333-977-21

Query Match 24.1%; Score 552.5; DB 1; Length 446;  
Best Local Similarity 31.2%; Pred. No. 3,7e-34;  
Matches 143; Conservative 79; Mismatches 172; Indels 65; Gaps 13;

OY 21 SAPGSGMV-----AAALCVIALTAANSLLIALICTOPALRN-TSNFFVSL 68  
DB 7 SAMDGTLYVERDFSVRIILTACFLSLILSTLLGNLTLYCAVIFRILRSKVTNFFVSL 66  
OY 69 FTSDLMWGLVMPAMNANLYGRVNLARGLCLMTADWCCSINIICLISDRILI 128  
DB 67 AVSLLVAIVLWPKKAAVETAGFVPG-SFCNIVWADIMCSTASINILCVISDYRWAI 125  
OY 129 LSPRLRYLMTPLRALALVIGANSIALASFLPLLGMHEIGHARPPVPG----- 178  
DB 126 SSPRYERKMTPKAFLISVAWTLVLSIFIPVQSMHK---AKPTSPDGKNTSLAET 182  
OY 179 --QORLASLPFVIVASGLTFPLPSGAICTYTCIILAAKQAVASL--TTGNAQASE 235  
DB 183 IDNCSSLSRTYALISSVISIFYPVALIMVTYTRIYRIAKOKIIRIALBRAAVHANQC 242

OY 236 TLQVPRTPRGVESADSRRLATKHSRKAKLAKTLGILGMFEVTLWPEFVANIQAVCD 295  
DB 243 TTTGNGKREVCESQPFSSFKMSFKRETKYLK---TSLVINGVVCMLPFIILNCILPFCG 299  
OY 296 -----CISGLPEVLTWLGNCSTNMPITPLMRDPKRALGFLPPR-CPREROA- 346  
DB 300 SGEIOPFCIDSTNFTFVFWFGWANSNLNIT-ATNADPKAFSTLLGCTRLCPATNNMI 358  
OY 347 -----SLASPSLRTHSGPRPGLSLQOVLPLPPDSDSGSGSSGLRLTOLLPL 401  
DB 359 ETVSINNNGAAMFSSHHPRGSIKECNLVYLIPRAVGSSEDLKKEEAAGIARPLEKLS 418  
OY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434  
DB 419 -----ALSVILDYDIDVSLERKIOPITONGQHP 445

## RESULT 10

US-07-916-901-6  
; Sequence 6, Application US/07916901  
; Patent No. 5364772  
; GENERAL INFORMATION:  
; APPLICANT: Graneman, James G.  
; APPLICANT: Lahners, Kristine N.  
; TITLE OF INVENTION: @ @3-ADRENERGIC RECEPTOR PROTEIN AND DNA  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: REISING, ETHINGTON, BARNARD, PERRY &  
; STREET: 201 W. Big Beaver - Ste. 400; P.O. Box 4390  
; CITY: Troy  
; STATE: Michigan  
; COUNTRY: USA  
; ZIP: 48099  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/916,901  
; FILING DATE: 19920720  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kohn, Kenneth I.  
; REGISTRATION NUMBER: 30,955  
; REFERENCE/DOCKET NUMBER: P-324(WSD)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (313) 689-3554  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 400 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-07-916-901-6

Query Match 24.1%; Score 551.5; DB 1; Length 400;  
Best Local Similarity 35.3%; Pred. No. 4e-34;  
Matches 142; Conservative 61; Mismatches 148; Indels 51; Gaps 15;

OY 5 PGPTANSTPA-WGAGP---PSAPGSG-----WVAALCVIAL-TAANSLLIALICTO 54  
DB 3 PWPBKNSLAFWSDAPFLDPSAANTSGLPVPAALAGALLATVGSNLIVTALART 62  
OY 55 PALRNTSNFLVSLFTSDLMWGLVMPAMNANLYGRVNLARGLCLMTADWCCSASI 114  
DB 63 PRIOTINNVETSLATADLVVGLVMPGATIALTGHPILGATGCELTATSVYLCVTSI 122  
OY 115 LNCILSLDRLYLILSLRLKRLMTPLRALALVIGANSIALASFLPLLGMHEIG----- 170

DB 123 ETLCALADRYLAVTNPLRYGTLTKRRARAVALVWITAVSAPFINSQMMRGADAE 182  
QY 171 ----HARPPVPCQCLLASLPFVLVAGSLTFPLPSGALCFYCRILLAAKROAVOVSIT 226  
DB 183 AOECHSNPRC---CSFASNMFPALLSSSVSYFLPLVLMFVARFVAVAKROR-RLRRE 238  
QY 227 TGMASQASSETLOVPTPRP-----GVESADSR--RLATKSRKALKAKLTGILL 274  
DB 229 LGRPPEESRSPSRSPSPATVGTPTASDGVPSGCRPARLLPLGHRALR---TLGLIM 295  
QY 275 GMEFTWMLPEFVANYVQAVC--DCISPLGLVLTWMLGYCNSMTNPIY---PLFMRDKFR 329  
DB 296 GIFSICWLPFLFANVLRALVGPGLVPSGVFIALNMLGYANSAPNPLICRSPDFDAPFR 355  
QY 330 AL----GRFLPCPRC---PREROASLASPSLR--TSHSGPRP 362  
DB 356 LLCSTGGRGPEPRVYTFPASPASVRQNSPLNRFDEYGERP 397

## RESULT 11

US-07-783-602C-1  
; Sequence 1, Application US/07783602C  
; Patent No. 5418160  
; GENERAL INFORMATION:  
; APPLICANT: J. Craig Venter et al  
; TITLE OF INVENTION: A FAT CELL SPECIFIC a-ADRENERGIC  
; TITLE OF INVENTION: RECEPTOR  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lowe, Price, Leblanc & Becker  
; STREET: Suite 300, 99 Canal Center Plaza  
; CITY: Alexandria  
; STATE: Virginia  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: DOS Text File  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/783, 602C  
; FILING DATE: 19911101  
; CLASSIFICATION: 436  
; ATTORNEY/AGENT INFORMATION:  
; NAME: J.G. Mullins  
; REGISTRATION NUMBER: 33073  
; REFERENCE/DOCKET NUMBER: 717-098  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703 684 1111  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 400  
; TYPE: AMINO ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Polypeptide  
; US-07-783-602C-1

Query Match 24.1%; Score 551.5; DB 1; Length 400;  
Best Local Similarity 35.8%; Pred. No. 4e-34;  
Matches 144; Conservative 61; Mismatches 146; Indels 51; Gaps 15;  
QY 5 PCPTANSTRA-WGAGP---PSAPGSG-----WVAALCVIAL-TAANSILALICTQ 54  
DB 3 PMPHKNGSLFWSADAPLTPDSANTSGLPVPAALALAGALLALATAGVNLVITAIART 62  
QY 55 PALRNTSNFELVSLFSDLMVGLVWMPRALNLYGHWYVARGLCLMTAFDWCSCASI 114  
DB 63 PRLOTTINFFVSLADLVGLVWMPGATLALTGHWMPGARGCELMTSVDVLCVTASI 122  
QY 115 LNLCLISLDRYLLILSPLEKRLMTPLRALALAVIGAWSLAASFLLGLGWHELG---- 170

DB 123 ETLCALADRYLAVTNPLRYGTLTKRRARAVALVWITAVSAPFINSQMMRGADAE 182  
QY 171 ----HARPPVPCQCLLASLPFVLVAGSLTFPLPSGALCFYCRILLAAKROAVOY---- 222  
DB 183 AOECHSNPRC---CSFASNMFPALLSSSVSYFLPLVLMFVARFVAVAKRORRRVREL 239  
QY 223 -----ASLTGMASQASSETLOVPTPRPGVESADSR--RLATKSRKALKAKLTGILL 274  
DB 240 GRPPEESRSPSRSPSPATVGTPTASDGVPSGCRPARLLPLGHRALR---TLGLIM 295  
QY 275 GMEFTWMLPEFVANYVQAVC--DCISPLGLVLTWMLGYCNSMTNPIY---PLFMRDKFR 329  
DB 296 GIFSICWLPFLFANVLRALVGPGLVPSGVFIALNMLGYANSAPNPLICRSPDFDAPFR 355  
QY 330 AL----GRFLPCPRC---PREROASLASPSLR--TSHSGPRP 362  
DB 356 LLCSTGGRGPEPRVYTFPASPASVRQNSPLNRFDEYGERP 397

## RESULT 12

US-08-351-473B-4  
; Sequence 4, Application US/08351473B  
; Patent No. 5656440  
; GENERAL INFORMATION:  
; APPLICANT: LENZEN, GERLINDA  
; APPLICANT: KAPOOR, ARCHANA  
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE  
; TITLE OF INVENTION: BOVINE BETA3-ADRENERGIC RECEPTOR AND THEIR APPLICATIONS  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
; CITY: ARLINGTON  
; STATE: VIRGINIA  
; COUNTRY: USA  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/351,473B  
; FILING DATE: 21-FEB-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 93 04670  
; FILING DATE: 21-APR-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/FR94/00447  
; FILING DATE: 21-APR-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OBLON, NORMAN F.  
; REGISTRATION NUMBER: 24,618  
; REFERENCE/DOCKET NUMBER: 6639-001-0X PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703) 413-3000  
; TELEFAX: (703) 413-3220  
; TELEX: 248855 OPAT UR  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 400 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-351-473B-4

Query Match 24.1%; Score 551.5; DB 1; Length 400;  
Best Local Similarity 35.1%; Pred. No. 4e-34;  
Matches 141; Conservative 62; Mismatches 148; Indels 51; Gaps 15;

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: SEQUENCE CHARACTERISTICS:
: LENGTH: 477 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: FRAGMENT TYPE: internal
: US-08-444-734A-4

Query Match      24.0%; Score 551; DB 1; Length 477;
Best Local Similarity 33.8%; Pred. No. 5,2e-34;
Matches 144; Conservative 66; Mismatches 170; Indels 46; Gaps 11

QY      1  NVPEGPANSPNAPGAGPSPASPGSGWAAALCVIALTAANSLLIALICTOPALRNT 60
DB      33  LVPSPPSLPPSPSESPSPSQWTAGGLMALIELLIVAGNVLYAIKTPRLQTL 92
QY      61  SNFELVSLFTSDLMGLVMPMPAMALYGRWLVARGLCILMTAFDVMOCCSAILNLCI 120
DB      93  TNLTIMSLASADIVMGLLVPRGATIVYWGRIEYSGFELMTSYDVLCVTSIETLCYI 152
QY      121  SLDRYLILSLRYKLRMTPLRALVLVGSMSLAALASFLLLGW--HELGHAPPV-- 176
DB      153  ALDEYLAITSFPRYOSLLTFRARARGLVCTVMAISALVSLPLTLMHWRAESDEARCYND 212
QY      177  PGQORLLASLFEVLVASGLTEFELPSGAICFTYCRILLARKANOVAS---LTTGMAAQ 232
DB      213  PKCDEFYTNRAIYALNASSVVSFVPLCIAINFYLRVFREKQKOVKKISERRPFLGGPARP 272
QY      233  ASET-----LQVPRTPPGVESADS-----RLATYHSRAKRLAKTLGLIL 273
DB      273  PSPSPVPAPAPPPGPPRPAATAATPLANGRACKRRPSRLVALRECAAK--TLGITI 329
QY      274  LGMFEVTLWLPFVAVANIQAQV-CDCISPLFDVLTWLGVCNSTMPNDIY--DLFMRDFKR 329
DB      330  MGVETTLTMLPPEFLANVYVAFHRELVPDRLEFVFNMLGYANSFNPDIYCRSP----DFRK 385
QY      330  ALGFLFLCPRPRERQASLASPLRTSHSGRPGISLQOVLPLP-PPSDSDSDAGSGG 388
DB      386  AFQGLCCARAAARRRRHATHGDRPASGCLARP-----PPSPGAASDDDDDDVVGA 438
QY      389  SSGRL 394
DB      439  TTPARL 444

RESULT 14
US-07-969-267B-4
: Sequence 4, Application US/07969267B
: Patent No. 5882855
: GENERAL INFORMATION:
: APPLICANT: Weinsbank, Richard L.
: APPLICANT: Hartig, Paul R.
: TITLE OF INVENTION: DNA Encoding A Human Dopamine D1
: TITLE OF INVENTION: Receptor And Uses Thereof
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Cooper & Dunham LLP
: STREET: 1185 Avenue of the Americas
: CITY: New York
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 10036
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/969,267B
: FILING DATE: 05-OCT-1993

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/551,448
FILING DATE: 10-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 37526-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 446 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
CLONE: D1
US-07-969-267B-4

Query Match      23.9%, Score 547.5; DB 2; Length 446;
Best Local Similarity 30.9%, Pred. No. 8.9e-34;
Matches 142; Conservative 80; Mismatches 172; Indels 65; Gaps 13;

OY 21 SAPGSGWV-----AAALCVIALTAANSLIALICOPALRN-TSNEFLVSL 68
DB 7 SAMDTGLVERDPSVRLTRACFLSLILSTLGLTGLCAAVIRRHRSKYTNFVISTL 66
OY 69 FTSDLMVGLVMPAMALYGRVYLARGCLLMTAFDVMCCSAILNCLISIDRYLI 128
DB 67 AVSDLLVAIVLMPKAAVAIEAGFMPFG-SFCNINWAFDVMCCSAILNCLISIDRYLI 125
OY 129 LSPRLRYLRMTPLRLALVLAGMSLAALASFLPLLGHLEIGHARPPVPG----- 178
DB 126 SSPRYERKMTPKAAFLISVAMTSLVLSIFIPVOLSWMK---AKPTSPSGNATSLAET 182
OY 179 --QCRLLASLPEVIVASGLTFEFLPSGALCFYCRILLAARQAOVASTL-TTGMASSQASE 235
DB 183 IDNCDSLSRTYALSSVSISFYIPVAMITVYTRIRAOQIRRIALAEAAVHAKNCQ 242
OY 236 TLQVPRPRPGVESADSRRLATKHSRKALKAKLTGLILGMEFTWLPFEVANTVOACD 295
DB 243 TTGNNGRPVSCSPSSFKMSFKRETKVK---TLVIMGVFVCCMLPEFLINCLIPFCG 299
OY 296 -----CISPGLEFDVLTWLGYNSTNMPITLYPLMRDFKALGRFLPCPR-CPREQA- 346
DB 300 SGETOPFCIDSNFTDVFVFMGMANSSLNPIIY-AFNADFRAKFTSLGCVRLCPATNNAI 358
OY 347 -----SLASPLRSHSGPRPGLSLQOVLPLPLPPDSDSODASGSSGGLRLAQLLP 401
DB 359 ETVSINNNGAAMSSSHHPKSGISKECNLYLIPHAVGSSSEDLKKEBAAGIARPLEKISP 418
OY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434
DB 419 -----ALSVILDYDTDVLSLEKIPIITONGHP 445

RESULT 15
US-09-168-510-4
; Sequence 4, Application US/09168510
; Patent No. 6468767
; GENERAL INFORMATION:
; APPLICANT: Weinsbank, Richard L.
; APPLICANT: Hartig, Paul R.
; TITLE OF INVENTION: DNA Encoding A Human Dopamine D1
; TITLE OF INVENTION: Receptor And Uses Thereof
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York

```

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STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/168,510
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/969,267
FILING DATE: 05-OCT-1993
APPLICATION NUMBER: 07/551,448
FILING DATE: 10-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 37526-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 446 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
CLONE: D1
US-09-168-510-4

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Query Match      23.9%, Score 547.5; DB 4; Length 446;
Best Local Similarity 30.9%, Pred. No. 8.9e-34;
Matches 142; Conservative 80; Mismatches 172; Indels 65; Gaps 13;

OY 21 SAPGSGWV-----AAALCVIALTAANSLIALICOPALRN-TSNEFLVSL 68
DB 7 SAMDTGLVERDPSVRLTRACFLSLILSTLGLTGLCAAVIRRHRSKYTNFVISTL 66
OY 69 FTSDLMVGLVMPAMALYGRVYLARGCLLMTAFDVMCCSAILNCLISIDRYLI 128
DB 67 AVSDLLVAIVLMPKAAVAIEAGFMPFG-SFCNINWAFDVMCCSAILNCLISIDRYLI 125
OY 129 LSPRLRYLRMTPLRLALVLAGMSLAALASFLPLLGHLEIGHARPPVPG----- 178
DB 126 SSPRYERKMTPKAAFLISVAMTSLVLSIFIPVOLSWMK---AKPTSPSGNATSLAET 182
OY 179 --QCRLLASLPEVIVASGLTFEFLPSGALCFYCRILLAARQAOVASTL-TTGMASSQASE 235
DB 183 IDNCDSLSRTYALSSVSISFYIPVAMITVYTRIRAOQIRRIALAEAAVHAKNCQ 242
OY 236 TLQVPRPRPGVESADSRRLATKHSRKALKAKLTGLILGMEFTWLPFEVANTVOACD 295
DB 243 TTGNNGRPVSCSPSSFKMSFKRETKVK---TLVIMGVFVCCMLPEFLINCLIPFCG 299
OY 296 -----CISPGLEFDVLTWLGYNSTNMPITLYPLMRDFKALGRFLPCPR-CPREQA- 346
DB 300 SGETOPFCIDSNFTDVFVFMGMANSSLNPIIY-AFNADFRAKFTSLGCVRLCPATNNAI 358
OY 347 -----SLASPLRSHSGPRPGLSLQOVLPLPLPPDSDSODASGSSGGLRLAQLLP 401
DB 359 ETVSINNNGAAMSSSHHPKSGISKECNLYLIPHAVGSSSEDLKKEBAAGIARPLEKISP 418
OY 402 GEATODPPLPTRAAAAVNFENIDPAPELRP-----HP 434
DB 419 -----ALSVILDYDTDVLSLEKIPIITONGHP 445

Search completed: October 7, 2003, 15:13:03

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Tue Oct 7 15:55:04 2003

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Page 10

Job time : 22 secs

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